



State of New Hampshire
DEPARTMENT OF ENVIRONMENTAL SERVICES

6 Hazen Drive, P.O. Box 95, Concord, NH 03302-0095
(603) 271-2457 FAX (603) 271-7894



December 13, 2002
Letter of Deficiency
DAM #148.16

Mr. Jesse Gangwer
105 Perkins Road
Dover, NH 03820

RE: Gangwer Wildlife Pond Dam, Madbury

Dear Mr. Gangwer:

The Department of Environmental Services, Dam Bureau (DES) consistently strives to enhance the safety of dams in New Hampshire through its dam safety program. One of the many instruments that play a part in reaching this goal is our inspection program. DES is forwarding this correspondence to you to advise you that in accordance with RSA 482:12 and Env-Wr 502.02, an inspection of the subject dam was conducted on November 26, 2002. During this visual inspection and/or file review, the following deficiencies were observed:

- There was heavy vegetation along the upstream and downstream embankments of the dam and in the vicinity of the outlet pipe;
2. There were trees growing within the 25-foot width of the emergency spillway, primarily along the left side of the channel (looking downstream);
 3. The mesh that has been used since the last scheduled inspection in 1996 is still being used as a trash rack. This mesh is not appropriate as the openings are too small and may easily become blocked; and
 4. There is no operation and maintenance plan (O&M) on file with the DES.

DES believes that the above deficiencies can be corrected by performing the following items by the indicated schedule:

January 30, 2003:

1. Submit a draft O&M plan. Refer to the enclosed guidelines;
2. Remove the small wire mesh trash rack currently covering the riser outlet and replace with a studier trash rack – possibly 3” – 6” squares; and

June 30, 2003:

3. Remove heavy vegetation and trees from the following locations:
 - a. Upstream and downstream embankments of the dam;
 - b. The inlet and outlet areas of the dam;
 - c. Within the 25-foot width of the emergency spillway, primarily along the left side of the channel (looking downstream).

Letter of Deficiency
Dam #148.16
December 13, 2002
pg. 2

DES is requesting that you complete and submit the attached "Intent to Complete Repairs" form, within 30 days of receipt of this letter, that will provide for correction of the identified deficiencies by the date(s) indicated above. If you believe changes to the items of work or dates are necessary, please make the changes directly on the form and provide a brief explanation. We have enclosed a self addressed stamped envelope for you to return this form.

Our intent in sending you this correspondence is to make you aware of items that DES believes warrant your attention to insure the continued safe operation of your dam. It is our hope that, through the submittal of the attached form and a commitment to keeping a well-maintained dam, you will voluntarily comply with the requested items of work. If we do not receive the intent form or a similarly adequate written reply, we will assume that you are in agreement with our findings and recommendations and DES will carry out follow-up inspections accordingly.

If you have any questions or comments regarding this Letter of Deficiency or would like to be present at future inspections, please contact me at 271-3406, or write to the Water Division at the address listed on the top of the previous page.

Sincerely,



Grace E. Levergood, P.E.
Dam Safety Engineer

Attachments Guideline for an O&M plan, DB8, DB13

cc: Gretchen Rule ✓

Town of Madbury

Certified # 7000 1670 0000 0586 117

GEL/was/h:/safety/wendy/lod/148-16lod.doc



State of New Hampshire
DEPARTMENT OF ENVIRONMENTAL SERVICES

6 Hazen Drive, P.O. Box 95, Concord, NH 03302-0095
(603) 271-2457 FAX (603) 271-7894



Intent to Complete Repairs

DAM #148.16

DAM Gangwer Wildlife Pond Dam

Department of Environmental Services
State Dam Safety Program
Water Division, Dam Bureau
6 Hazen Drive, P.O. Box 95
Concord, NH 03302-0095

RE: Letter of Deficiency: Issued on December 13, 2002

Dear Dam Safety Program

In response to the above referenced Letter of Deficiency (LOD), I concur with the Department of Environmental Service's recommendations, and specifically agree to complete the following items by the indicated schedule.

DATE: January 30, 2003

1. Submit a draft O&M plan. Refer to the enclosed guidelines;
2. Remove the small wire mesh trash rack currently covering the riser outlet and replace with a studier trash rack – possibly 3” – 6” squares; and

DATE: June 30, 2003

3. Remove heavy vegetation and trees from the following locations:
 - a. Upstream and downstream embankments of the dam;
 - b. The inlet and outlet areas of the dam;
 - c. Within the 25-foot width of the emergency spillway, primarily along the left side of the channel (looking downstream).

In lieu of the above, you may propose adjustments to the content or schedule associated with the requested repairs/work. (please state reasons for proposal and use reverse side if more space is needed).

Signature of Owner: _____

_____ (print name)

Date: _____

ENG-: GEL